

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A process for preparing a silane-modified thermoplastic polyurethane, comprising reacting ~~a thermoplastic polyurethane~~ an isocyanate component and a component reactive toward isocyanates capable of forming a polyurethane therewith, wherein said isocyanate component comprises an isocyanate having no silane group and ~~[[with]]~~ a silane which has an isocyanate group.

Claim 2 (Previously Presented): The process according to claim 1, wherein the silane is at least one silane selected from the group consisting of γ -isocyanatopropyltrimethoxysilane, isocyanatomethyltrimethoxysilane, γ -isocyanatopropyltriethoxysilane, and isocyanatomethyltriethoxysilane.

Claim 3 (Canceled).

Claim 4 (Previously Presented): The process according to claim 1, wherein the silane-modified thermoplastic polyurethane is spun to give fibers, or is extruded to give hoses, and then the thermoplastic polyurethane is crosslinked by way of the silane groups with moisture.

Claim 5 (Currently Amended): The process according to claim 4, wherein ~~the catalyst used for the crosslinking~~ is carried out with a catalyst which ~~with moisture~~ comprises a catalyst selected from the group consisting of Lewis acids, Lewis bases, Brönsted bases, and Brönsted acids.

Claim 6 (Previously Presented): A polyurethane obtained by the process according to claim 1.

Claim 7 (Currently Amended): A fiber based on the thermoplastic polyurethane obtained by the process according to claim 1.

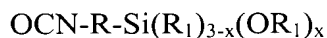
Claim 8 (Currently Amended): A hose based on the thermoplastic polyurethane obtained by the process according to claim 1.

Claim 9 (Currently Amended): A cable sheathing based on the thermoplastic polyurethane obtained by the process according to claim 1.

Claim 10 (Canceled).

Claim 11 (New): The process according to claim 1, wherein the isocyanate having no silane group and the silane which has an isocyanate group are present in a molar ratio of from 1:0.01 to 1:0.50.

Claim 12 (New): The process according to claim 1, wherein the silane has the following structure:



R is an aliphatic, araliphatic, or aromatic organic radical, having from 1 to 20 hydrocarbon atoms,

R₁ is an alkyl radical having from 1 to 10 carbon atoms,

x is 1, 2 or 3, wherein each R₁ may be the same or different.

Claim 13 (New): The process according to claim 12, wherein R has from 2 to 10 carbon atoms, R_1 has 1 to 6 carbon atoms, and x is 2 or 3.

Claim 14 (New): The process according to claim 13, wherein R_1 is methyl and/or ethyl, and x is 3.

Claim 15 (New): The process according to claim 1, wherein the isocyanate component comprises diisocyanates and said component reactive toward isocyanates comprises difunctional polyols.

Claim 16 (New): The process according to claim 15, wherein the difunctional polyol is a polyetherol.

Claim 17 (New): The process according to claim 4, wherein the silane-modified thermoplastic polyurethane is spun to give fibers, which fibers have a heat distortion temperature of above 140°C, measured with 0.04 mN-dtex pre-tension, heating rate of 10 k/min, test range from -100 to 250°C.

Claim 18 (New): The process according to claim 4, wherein the silane-modified thermoplastic polyurethane is spun to give fibers, which fibers have a heat distortion temperature of above 160°C, measured with 0.04 mN-dtex pre-tension, heating rate of 10 k/min, test range from -100 to 250°C.

Claim 19 (New): The process according to claim 4, wherein the silane-modified thermoplastic polyurethane is spun to give fibers, which fibers have a heat distortion temperature of above 170°C, measured with 0.04 mN-dtex pre-tension, heating rate of 10 k/min, test range from -100 to 250°C.

Claim 20 (New): The process according to claim 4, wherein the silane-modified thermoplastic polyurethane is spun to give fibers, which fibers have a heat distortion temperature of from 171 to 260°C, measured with 0.04 mN-dtex pre-tension, heating rate of 10 k/min, test range from -100 to 250°C.